

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13293	((comput\$34 adj1 tomograph\$4) or CT) with ultrasound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/07/13 14:23
L2	952	((((comput\$34 adj1 tomograph\$4) or CT) with (ultrasound or sonogra\$5)) same (register\$4 or registrat\$4 or mulimod\$5 or coregistr\$4 or coregister\$4 or multi adj1 modal\$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/07/13 14:27
L3	1213	((((comput\$34 adj1 tomograph\$4) or CT) with (ultrasound or sonogra\$5)) same (register\$4 or registrat\$4 or mulimod\$5 or coregistr\$4 or align \$5 or coregister\$4 or (multi adj1 modal \$5)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/07/13 14:27
L4	185	((mask or masking or cover or conceal or obscure or block or filter\$3) near5 (air or fluid)) with ultrasound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/07/13 14:29
L5	214	((mask or masking or cover or conceal or obscure or block or filter\$3 or segment\$5) near5 (air or fluid)) with ultrasound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/07/13 14:29

L6	2	3 and 5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/07/13 14:29
S1	7	US-6618490-\$.DID. OR US-20010036302- \$.DID. OR US- 20030146913-\$.DID. OR WO-0178010-\$. DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/11/16 18:29
S2	17	((registration or register\$4) near3 multimod\$4) with ((PET or CT or (x adj1 ray)) and (MR or MRI or ultrasound))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 18:35
S3	529	(registration or register\$4 or coregist \$7) near3 ((PET or CT or (x adj1 ray)) and (MR or MRI or ultrasound))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 18:39
S4	61	(transform\$) near3 ((PET or CT or (x adj1 ray)) and (MR or MRI or ultrasound))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 18:39
S5	19	S3 and S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 18:40
S6	19	S5 not S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 18:40
S7	2	(registration or register\$4 or coregist \$7) adj1 between ((PET or CT or (x adj1 ray)) and (MR or MRI or ultrasound))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 18:44

S8	59	multimodal registration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 18:49
S9	59	S8 not S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 18:50
S10	45	S9 not S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 18:50
S11	2	"6539127".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 19:07
S12	2	"5633951".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 19:11
S13	3	"7106891".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 19:12
S14	7	S11 or S12 or S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/11/16 19:14
S15	3026	(register\$3 or registrat\$4) with (intervention or intraoperative or intra-operative or (intra adj1 operative))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 17:52

S16	121	S15 same ultrasound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 17:52
S17	783793	(mask or masking or cover or conceal or obscure or block or filter\$3) with (air or fluid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:02
S18	2	S16 and S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:03
S19	12991	(register\$3 or registrat\$4) same S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:03
S20	39459	S17 with process\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:04
S21	538	S19 and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:04
S22	4097	(register\$3 or registrat\$4) with S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:04
S24	95216	"382"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:05

S26	70357	medical with (image or scan or slice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:06
S28	10962354	medical or operati\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:07
S30	1147232	xray or CT or tomogra\$ or x-ray	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:07
S33	224	S21 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:17
S34	0	S26 and S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:17
S35	45	(image or scan or slice) and S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:17
S36	848	(mask or masking or cover or conceal or obscure or block or filter\$3) with (air or fluid) same ultrasound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:19
S37	335	(image or scan or slice) and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:19

S38	9	S24 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:19
S39	11883	(register\$3 or registrat\$4 or transform\$7) same (intervention or intraoperative or intra-operative or (intra adj1 operative))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:23
S41	199433	((two or "2") and ("3" or three)) adj1 (d or dimension\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:25
S42	1845	S39 and S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:26
S43	14890	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov \$4) with (ultrasound or sonogra\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:27
S44	134688	(unreliable or shadow or inaccura \$4 or false or erroneous or unstable) same (air or fluid or liquid or wet or bone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:29
S45	4	S42 and S43 and S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:30
S46	4382	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov \$4) near3 (before or prior or pre) near3 (register\$3 or registrat\$4 or transform\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:32

S47	358	S41 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:32
S48	55	(ultrasound or sonogra\$4 or ultrasound) and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:33
S49	4399	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov\$4 or crop\$4) near3 (before or prior or pre) near3 (register\$3 or registrat\$4 or transform\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:34
S50	360	S41 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:34
S51	55	(ultrasound or sonogra\$4 or ultrasound) and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:34
S52	237929	(unreliable or shadow or inaccura\$4 or false or erroneous or unstable or unnecessary) same (air or fluid or liquid or wet or bone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:35
S53	545	(ultrasound or sonogra\$4 or ultrasound) same S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:35

S54	1219096	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov\$4 or crop\$4) with (register\$3 or registrat\$4 or transform\$7 or match\$3 or align\$5 or correspond\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:36
S55	99	S53 and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:37
S56	153	S55 or S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:37
S57	28	S24 and S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:37
S58	228988	(dark\$5 or black\$5) with (image or scan or slice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:43
S59	7542	S26 and S58	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:43
S60	28184	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov\$4 or crop\$4 or dark\$5 or black\$5) with (before or prior or pre) with (register\$3 or registrat\$4 or transform\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:44



S61	212	S59 and S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:45
S62	128	S24 and S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:45
S63	1268358	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov \$4 or crop\$4 or dark \$5 or black\$5) with (register\$3 or registrat\$4 or transform\$7 or match\$3 or align\$5 or correspond\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:47
S64	128	S62 and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:48
S65	18750	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov \$4 or crop\$4 or dark \$5 or black\$5) with (unreliable or shadow or inaccura \$4 or false or erroneous or unstable or unnecessary) with (image or slice or scan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:49
S66	19	S64 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:49
S67	41619	S30 and (ultrasound or sonogra\$4 or ultra-sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:57

S68	5	S66 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 18:57
S83	2727	(match\$3 or crop\$4) near3 imag\$3 near3 (shape or geometry or configuration or form)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/24 20:19
S84	766284	((ultrasound or sonogra\$4 or ultra- sound) same (xray or x-ray or (x adj1 ray)) or (CT or tomogra\$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 20:20
S85	25	S83 same S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/03/24 20:20
S86	505158	(mask or masking or cover or conceal or obscure or block or filter\$3) near5 (air or fluid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/06/02 23:16
S87	70919	(modality or modalities or (mutual near1 information))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/06/02 23:17
S88	7680	((PET or CT or (x adj1 ray)) and (MR or MRI or ultrasound)) same S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/06/02 23:17
S89	252	S86 and S88	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/06/02 23:18

S90	28583	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov\$4 or crop\$4 or dark\$5 or black\$5) with (before or prior or pre) with (register\$3 or registrat\$4 or transform\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/06/02 23:18
S91	2	S90 and S89	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/06/02 23:18
S92	493	(unreliable or inaccurate) same S86	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/06/02 23:24
S93	0	S89 and S92	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/06/02 23:24
S94	0	S88 and S92	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/06/02 23:25
S95	1980	(unreliable or inaccurate or \$dependable).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/06/02 23:25

## EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L7	30	((comput\$34 adj1 tomograph\$4) or CT) with (ultrasound or sonogra\$5)) with (register\$4 or registrat\$4 or mulimod\$5 or coregistr\$4 or align\$5 or coregister\$4 or (multi adj1 modal\$5)).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/07/13 14:31
L9	26669	((mask or masking or cover or conceal or obscure or block or filter\$3 or segment\$5) near5 (((air or fluid)) with ultrasound) or artifact or unreliable or undependable or inaccurate or false or erroneous or unsound or fallible).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/07/13 14:34
L10	1	7 and 9	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/07/13 14:34
S70	14857	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov\$4 or crop\$4 or dark\$5 or black\$5 or delimit\$4) with (register\$3 or registrat\$4 or transform\$7 or match\$3 or align\$5 or correspond\$6) with (imag\$3 or scan or slice).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:01
S71	126831	((two or "2") or ("3" or three)) adj1 (d or dimension\$2).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:03
S72	74876	(ultrasound or sonogra\$4 or ultra-sound or xray or x-ray or (x adj1 ray) or CT or tomogra\$5).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:04
S74	270	S70 and S71 and S72	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:05
S75	82648	"382"/\$.ccls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:06
S76	125	S74 and S75	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:06

S77	1070	((ultrasound or sonogra\$4 or ultra-sound) and (xray or x-ray or (x adj1 ray)) and (CT or tomogra\$5)).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:10
S78	6144	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov\$4 or crop\$4 or dark\$5 or black\$5 or delimit\$4) near5 (coregisrter\$3 or coregistra\$4 or register\$3 or registrat\$4 or transform\$7 or match\$3 or align\$5 or correspond\$6) near5 (imag\$3 or scan or slice).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:11
S79	6	S76 and S77 and S78	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:11
S80	9442	\$modal\$.clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:14
S81	16	S76 and S80	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:15
S82	14	S81 not S79	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/24 19:15
S96	2031	(unreliable or inaccurate or \$dependable).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/06/02 23:25
S97	14801	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov\$4 or crop\$4 or dark\$5 or black\$5 or delimit\$4) with (register\$3 or registrat\$4 or transform\$7 or match\$3 or align\$5 or correspond\$6) with (imag\$3 or scan or slice).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/06/02 23:26
S98	2	S97 with S96	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/06/02 23:26

S99	123	(mask or masking or block\$3 or filter\$3 or segment\$6 or remov\$4 or crop\$4 or dark\$5 or black\$5 or delimit\$4) with (register\$3 or registrat\$4 or transform\$7 or match\$3 or align\$5 or correspond\$6) with ultrasound.clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/06/02 23:52
S100	1093	((ultrasound or sonogra\$4 or ultra-sound) and (xray or x-ray or (x adj1 ray)) and (CT or tomogra\$5)).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/06/02 23:54
S101	0	S100 and S99	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/06/02 23:54
S102	4168	(modality or modalities or (mutual near1 information)).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/06/02 23:55
S103	84	(registration or register\$4 or coregist\$7) with ((PET or CT or (x adj1 ray)) and (MR or MRI or ultrasound)).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/06/02 23:56
S104	4235	S102 or S103	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/06/02 23:56
S105	9	S99 and S104	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/06/02 23:56

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